

## CLAIMS

1. A liquid crystal display panel comprising an active matrix display area, a vertical drive circuit, and a horizontal aging circuit for supplying signals to a plurality of source lines at one time provided on a substrate of the liquid crystal display panel and a horizontal drive circuit connected outside.

2. A liquid crystal display panel comprising an active matrix display area, a horizontal drive circuit, and a vertical aging circuit for supplying signals to a plurality of gate lines at one time provided on a substrate of the liquid crystal display panel and a vertical drive circuit connected outside.

3. A liquid crystal display panel comprising an active matrix display area, a horizontal aging circuit for supplying signals to a plurality of source lines at one time, and a vertical aging circuit for supplying signals to a plurality of gate lines at one time provided on a substrate of the liquid crystal display panel and a horizontal drive circuit and a vertical drive circuit connected outside.

4. A liquid crystal display panel as set forth in claim 1, wherein a horizontal aging circuit or a vertical aging circuit gathers together a plurality of source lines or gate lines via CMOS switches, NMOS switches, or

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PMOS switches and supplies signals to the collected lines.

5. A liquid crystal display panel as set forth in claim 2, wherein a horizontal aging circuit or a vertical aging circuit gathers together a plurality of source lines or gate lines via CMOS switches, NMOS switches, or PMOS switches and supplies signals to the collected lines.

6. A liquid crystal display panel as set forth in claim 3, wherein a horizontal aging circuit or a vertical aging circuit gathers together a plurality of source lines or gate lines via CMOS switches, NMOS switches, or PMOS switches and supplies signals to the collected lines.

7. A method of producing a liquid crystal display panel comprising an active matrix display area, a vertical drive circuit, and a horizontal aging circuit for supplying signals to a plurality of source lines at one time provided on a substrate of the liquid crystal display panel and a horizontal drive circuit connected outside, said method of producing a liquid crystal display panel comprising forming the horizontal aging circuit in a process of forming the active matrix display area on the substrate.

8. A method of producing a liquid crystal display

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panel comprising an active matrix display area, a horizontal drive circuit, and a vertical aging circuit for supplying signals to a plurality of gate lines at one time provided on a substrate of the liquid crystal display panel and a vertical drive circuit connected outside, said method of producing a liquid crystal display panel comprising forming the vertical aging circuit in a process of forming the active matrix display area on the substrate.

10           9.    A method of producing a liquid crystal display panel comprising an active matrix display area, a horizontal aging circuit for supplying signals to a plurality of source lines at one time, and a vertical aging circuit for supplying signals to a plurality of gate lines at one time provided on a substrate of the liquid crystal display panel and a horizontal drive circuit and a vertical drive circuit connected outside, said method of producing a liquid crystal display panel comprising forming the horizontal aging circuit and the vertical aging circuit in a process of forming the active matrix display area on the substrate.

10.   A liquid crystal display apparatus of an active matrix type, wherein

          a vertical drive circuit is formed integrally with a liquid crystal display area on a glass substrate

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by using low temperature polySi TFTs, a horizontal drive circuit is connected to a liquid crystal display panel substrate by COG, and output terminals of a driver IC constituting the horizontal drive circuit and source

5 lines are in a one-to-one correspondence.